

Message Text

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PAGE 01 STATE 030037

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DRAFTED BY COM/BIC/OED/OPS/C.J.REEVES

APPROVED BY EBOCAREPJBRABEN

COM/OIC/OED/OPS/C.J.REEVES

CO;/BIC/OED/OPS/S.S.LEON

COM/UIC/OED/OBOD/R.E.COHEN

STATE/EUR/RPM/E.REHFELD

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TO AMEMBASSY LONDON

INFO USMISSION NATO

UNCLAS STATE 030037

E.O. 11652: N/A

TAGS: BEXP, U.K.

SUBJECT: PRODUCT OPPORTUNITY: RADARS FOR SAXA VORD

REF: LONDON 734

1. IN RESPONSE TO REFTTEL PLEASE PASS THE FOLLOWING TO MOD
PROCUREMENT EXECUTIVES AS HUGHES RESPONSE TO ITEM 10 OF
QUESTIONNAIRE:

BEGIN TEXT:

,A-10

SENSOR ELEMENTS WILL BE MET FROM VARIOUS ON-GOING PROGRAMS
AND THEIR APPLICATION ENGINEERED TO OPTIMIZE THE SPECIFIC
REQUIREMENTS. DETAILS OF BASIC HARDWARE DEVELOPMENT AND
PRODUCTION CONTRACTS ARE AS FOLLOWS:

EQUIPMENT:

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1. RECEIVER/EXCITER

- DUAL CONVERSION
- SOLID STATE/IC
- TWO CHANNEL
- PARAMP
- PULSE COMPRESSION

- LOG/LINEAR/D-F/MII VIDEO

STATUS - BASIC DESIGN AND DEVELOPMENT ACHIEVED IN 1971

- UNDER CONTRACT SC900045, QTY 7 PRODUCED.

2. TRANSMITTER

- TWO-STAGE (TWT/KLYSTRON)
- 1.1 MWP, 30 KWA
- GRID MODULATED

STATUS - BASIC DESIGN AND DEVELOPMENT UNDER CONTRACT

- A784601-9570, QTY 2 PRODUCED.

3. ANTENNA

- 12 AND 1/2' X 16' PLANAR ARRAY
- MECHANICAL SCAN - AZ
- PHASE SCAN - EL
- TWO SPEED ROTATION
- ELEVATION BEAMWIDTH CONTROL
- SIDELOBE ANTENNA
- MULTI CHANNEL ROTARY JOINT

STATUS - BASIC DESIGN WAS BUILT AND TESTED IN THE

- EARLY 1960'S. LATER IMPROVEMENTS IMPLEMENTED IN
- THE EARLY 1970'S. PRODUCTION ON-GOING. BASIC
- ANTENNA PRODUCTION, QTY 70.

4. PROCESSOR

- DIGITAL SPECIAL PURPOSE
- DOUBLE MTI CANCELLER
- AUTO PLOT EXTRACTION

STATUS - BASIC PROCESSOR WAS BUILT AND TESTED IN 1970

- UNDER CONTRACT SC900045, QTY 7 PRODUCED.

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5. COMPUTER

- H5118M
- QUAL PROCESSOR
- 8 I/O CHANNELS
- 48K MEMORY

STATUS - BASIC COMPUTER DESIGNED AND PRODUCED IN LATE 1973.

--- ON-GOING PRODUCTION.

6. CONSOLE

--- HUGHES AIR DEFENSE CONSOLE

--- OPERATOR INTERFACE

--- PERFORMANCE MAINTENANCE

STATUS - DESIGNED AND IMPLEMENTED IN THE EARLY 1970'S."

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Message Attributes

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